Regional Engineers

Jack A. Elston

Special Provision for Slope Wall

April 18, 2025

This special provision was developed by the Bureau of Bridges & Structures to require welded wire reinforcement in concrete slope walls to be epoxy coated or galvanized and adds a broom finish to the concrete surface.

This special provision should be inserted into contracts containing SLOPE WALL.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the August 1, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80469m

# SLOPE WALL (bde)

Effective: August 1, 2025

Revise Article 511.02(b) of the Standard Specifications to read:

“ (b) Welded Wire Reinforcement (Note 3) 1006.10”

Add the following note to the end of Article 511.02 of the Standard Specifications.

“ Note 3. Welded wire reinforcement used for concrete slope wall shall be epoxy coated or galvanized according to AASHTO M 111 (M 111M).”

Revise the second sentence of Article 511.03(a) of the Standard Specifications to read:

“ Concrete slope walls shall be reinforced with welded wire reinforcement consisting of 6 x 6 in. (150 x 150 mm) mesh, #4 gauge (5.74 mm), 58 lb (26 kg) per 100 sq ft (9 sq m) and supported 2 in. (50 mm) below the upper surface of the slope wall by concrete blocks.”

Add the following to the end of Article 511.03(a) of the Standard Specifications as the last paragraph.

“ The concrete slope wall shall be given a broom finish. The broom shall be drawn vertically along the slope wall surface, with adjacent strokes slightly overlapping, producing a uniform, slightly rough surface with parallel broom marks.”

80469